



EXPLANATION

Qs

Surficial deposits

KJg

Granite

KJmd

Mafic dike

KJqd

Quartz diorite

KJd

Diorite

Includes granodiorite and quartz diorite phases believed to be the same age and genesis as the diorite

Mzs

Stratified rocks

Includes interlayered sedimentary and volcanic rocks

gb-O

Gabbro

Stratigraphic position unknown

g

Graywacke and limestone

Stratigraphic position unknown

Dbu

Db

Black Cap limestone

Db, undifferentiated

Dbu, upper part

Db, lower part

ANGULAR UNCONFORMITY(?)

Sr

Rendu formation

Sp

Pyramid Peak limestone

ANGULAR UNCONFORMITY(?)

St

St

Tidal formation

Includes intraformational limestone member, St

Sw

Willoughby limestone

mu

Metamorphic rocks

Includes amphibolite and gneiss

su

Sedimentary rocks

su (Db, St) denotes that rock units indicated in parentheses are present. Question mark after rock symbol indicates doubt as to correct identification

Migmatized area

Contact

Position of contacts is approximate; dotted where concealed

Position of outer edge of terminal moraine

Fault

Dotted where concealed

Anticline, showing trace of axial plane

Overturned anticline, showing trace of axial plane

Syncline, showing trace of axial plane

Strike and dip of beds

L indicates dip between 0° and 30°

M indicates dip between 30° and 60°

S indicates dip between 60° and 90°

Strike of vertical beds

Horizontal beds

Strike and dip of foliation

L indicates dip between 0° and 30°

M indicates dip between 30° and 60°

S indicates dip between 60° and 90°

Strike of vertical foliation

Direction of flow of relict glacial streams

Known mineralized area

Chemical symbol or mineral name indicates main element or mineral of economic importance



GEOLOGIC MAP OF MOUNT FAIRWEATHER B-1, B-2, C-1, D-1, AND D-2 QUADRANGLES, ALASKA

SCALE 1:125 000

2 1 0 2 4 6 MILES

CONTOUR INTERVAL 100 FEET

DATUM IS MEAN SEA LEVEL

Base from U. S. Geological Survey  
topographic quadrangles, 1948

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—61159  
Geology by D. L. Rossman, 1951 and 1954,  
assisted by J. F. Seitz, 1951